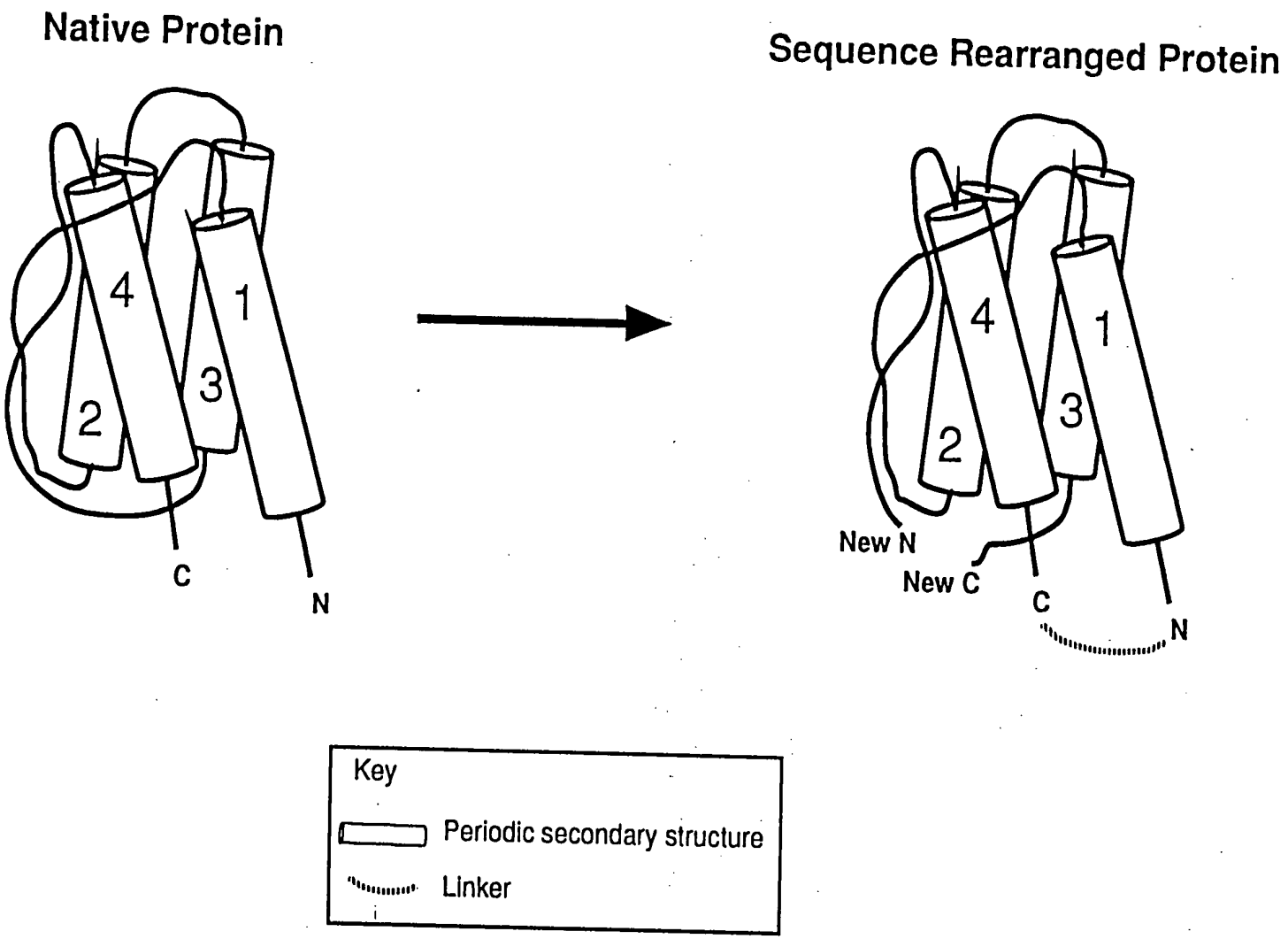

Figure 1

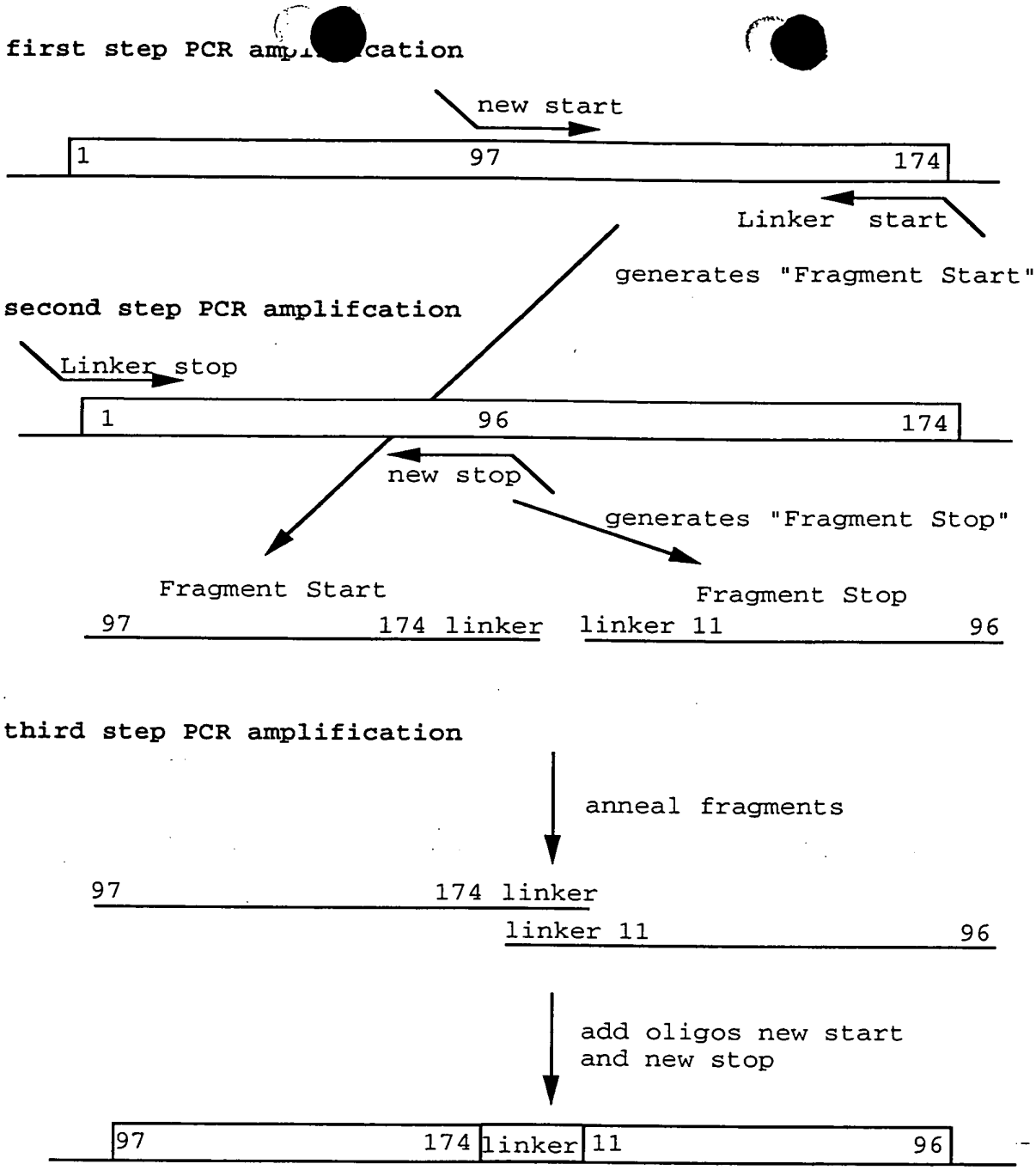
first step PCR amplification
new start
1
97
174
Linker start
generates "Fragment Start"
second step PCR amplifcation
Linker stop
1
96
174
new stop
generates "Fragment Stop"
Fragment Start
97
174 linker
Fragment Stop
linker 11
96
third step PCR amplification
anneal fragments
97
174 linker
linker 11
96
add oligos new start
and new stop
97
174
linker
11
96

Figure 2.

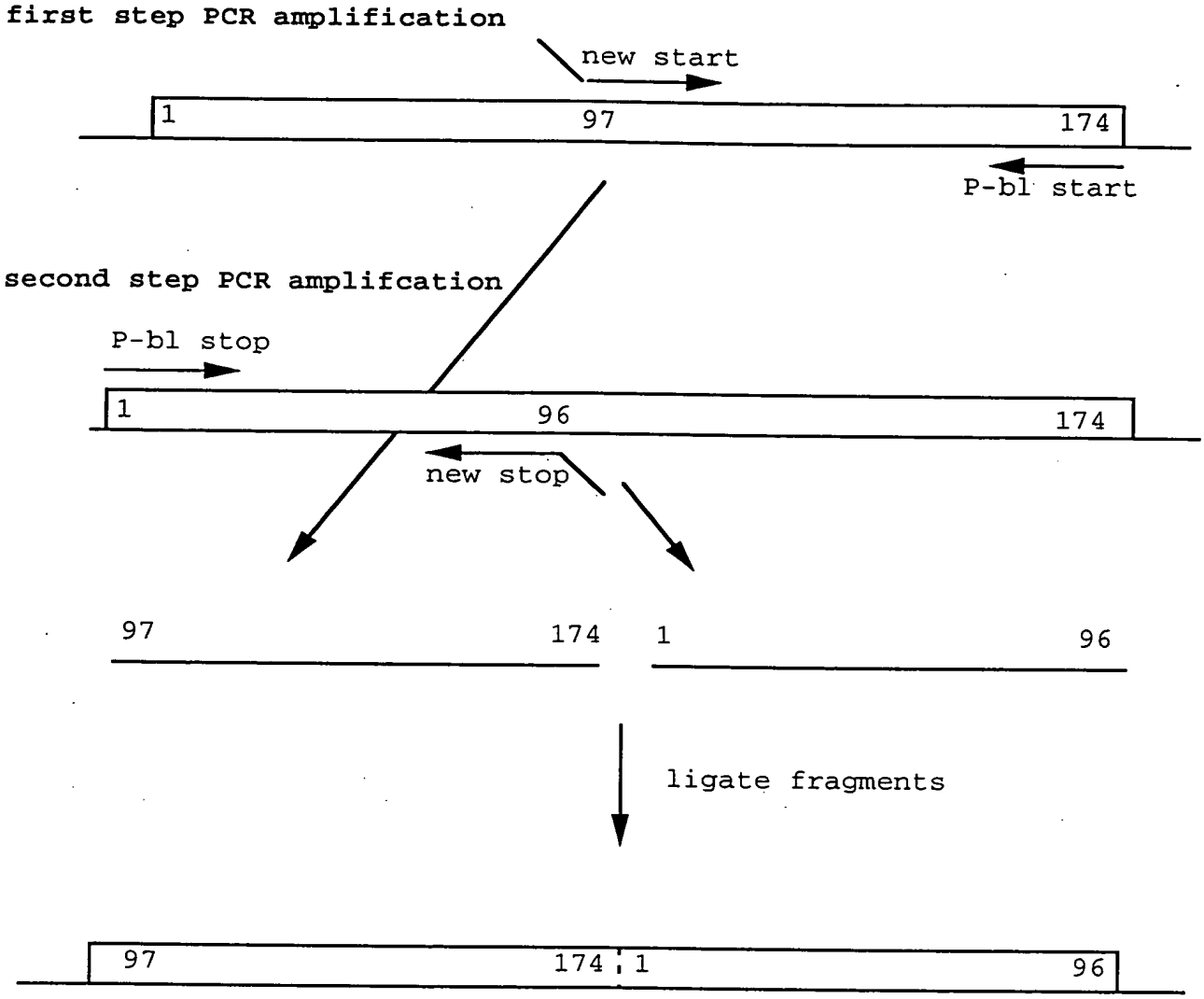
first step PCR amplification
new start
1
97
174
P-bl start
second step PCR amplifcation
P-bl stop
1
96
174
new stop
97
174
1
96
ligate fragments
97
174
1
96

Figure 3.

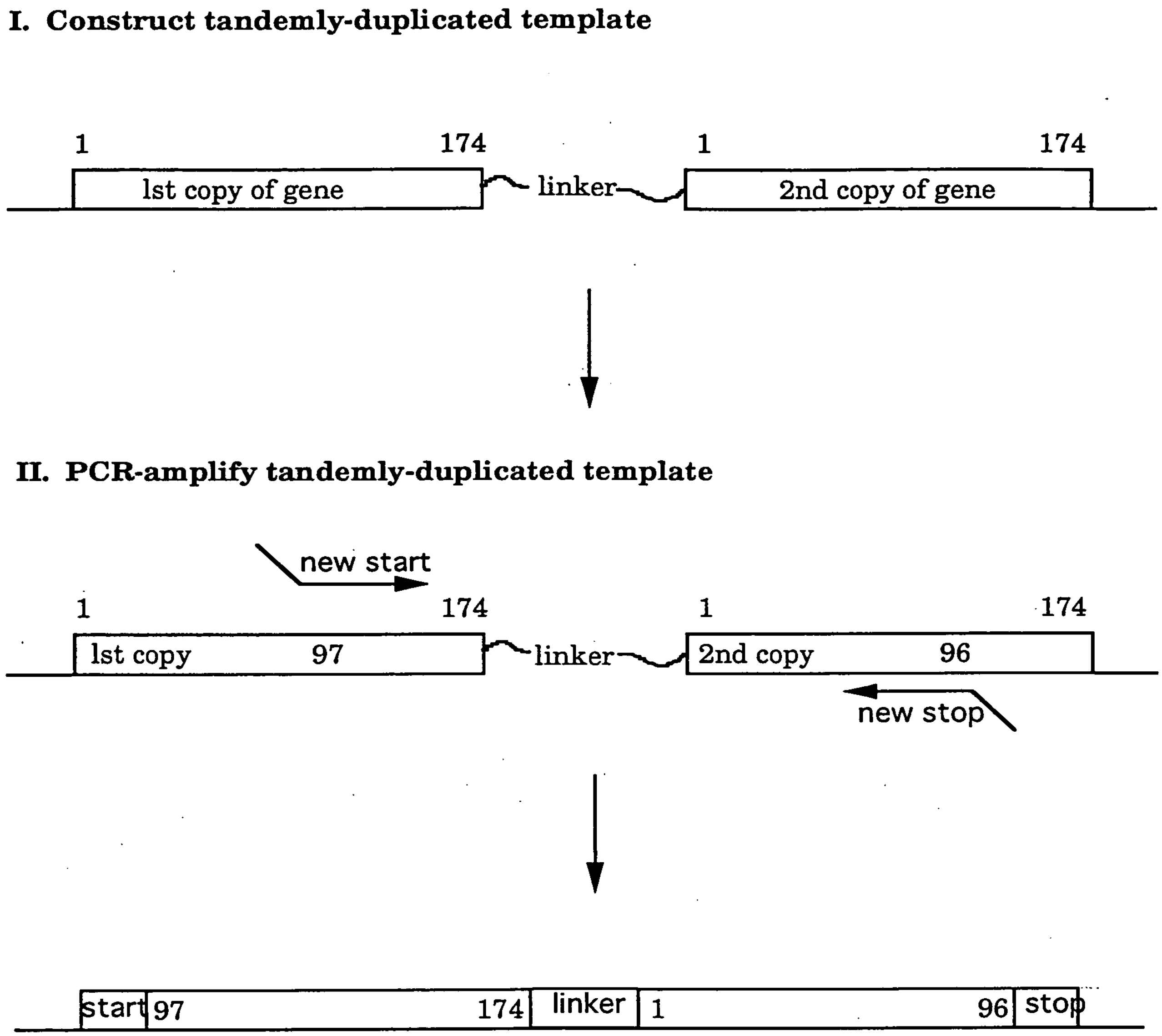
I. Construct tandemly-duplicated template
1
174
1st copy of gene
linker
1
174
2nd copy of gene
II. PCR-amplify tandemly-duplicated template
new start
1
174
1st copy
97
linker
1
174
2nd copy
96
new stop
start
97
174
linker
1
96
stop

Figure 4.

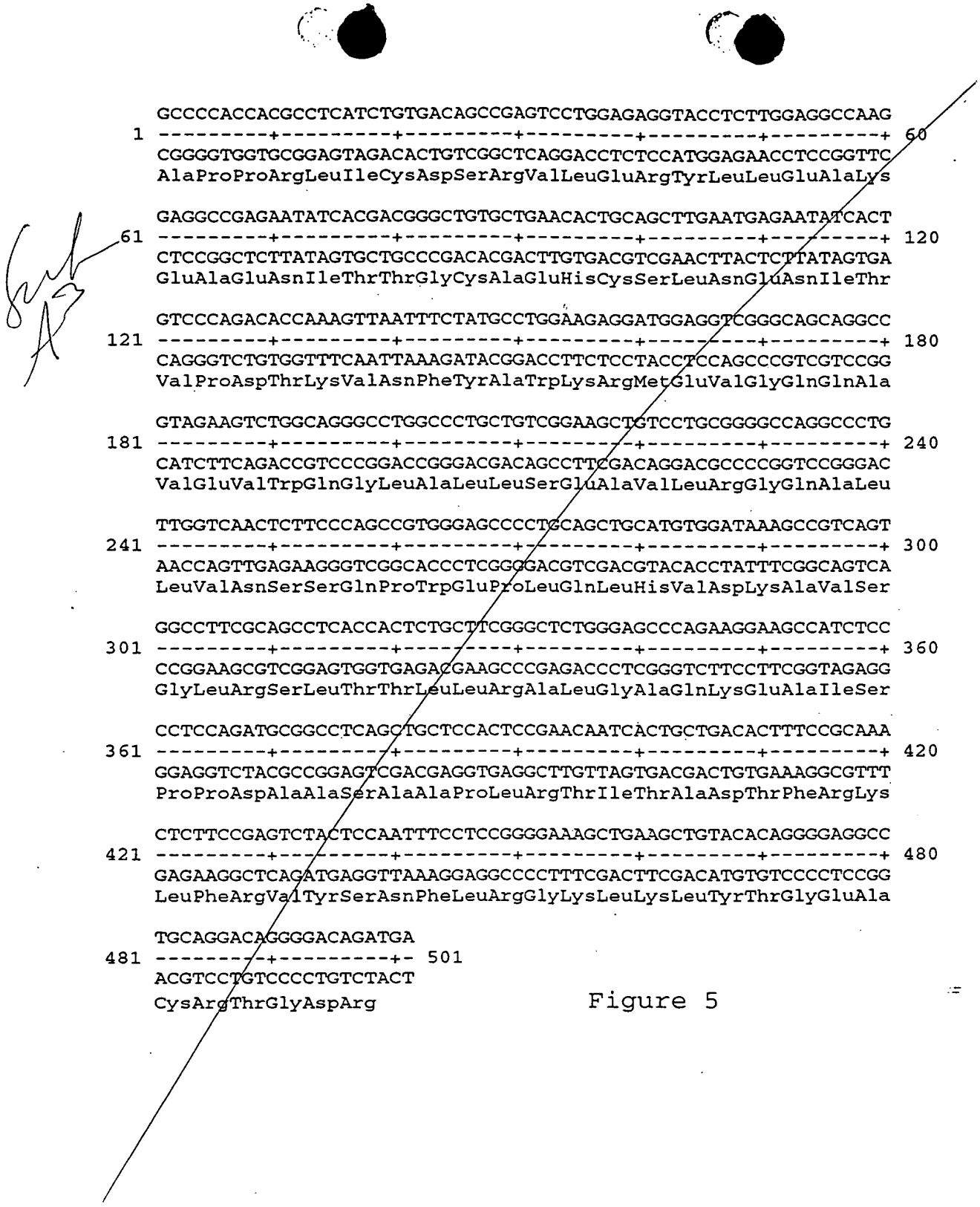

Figure 5